

### **ABSTRACT OF THE DISCLOSURE**

When a plurality of image data are to be compressed, an image correlation information extraction unit extracts respective image correlation information of image data, using first image data as reference image data. An encoding unit compresses the extracted image correlation information to produce encoded data. A data output unit outputs the compressed data and the reference image data to a page memory. When the compressed data are to be restored, a data input unit supplies the image correlation data input from the page memory to an image correlation information decoding unit, and supplies the reference image data to an image restoring unit. The image correlation information decoding unit decodes the image correlation data into the respective image correlation information and supplies the image correlation information to the image restoring unit. The image restoring unit restores the plural image data from the respective image correlation information and the reference image data.